

FIG. 1

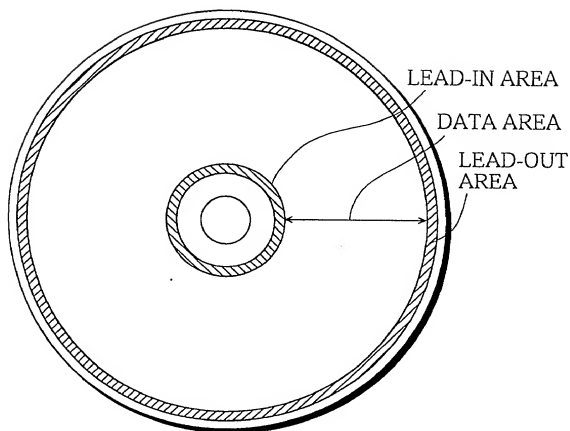
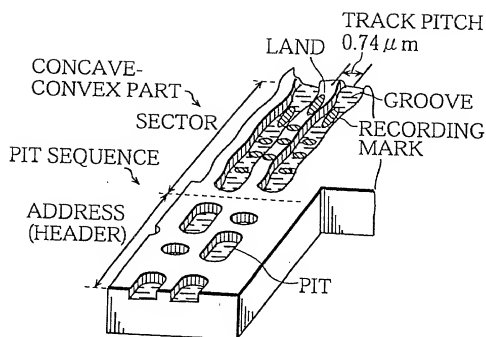


FIG. 2



09710970 076401

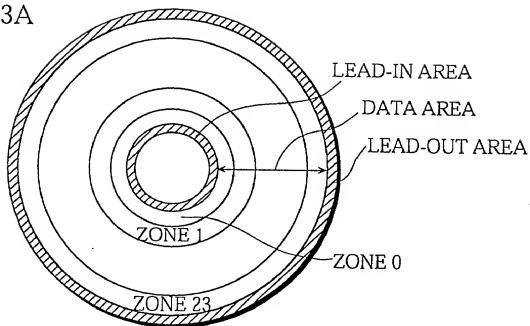


FIG. 3B

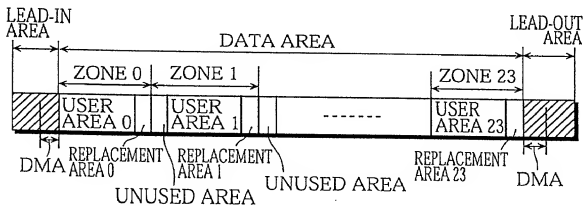


FIG. 3C

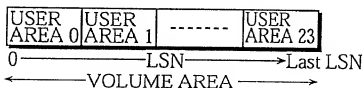
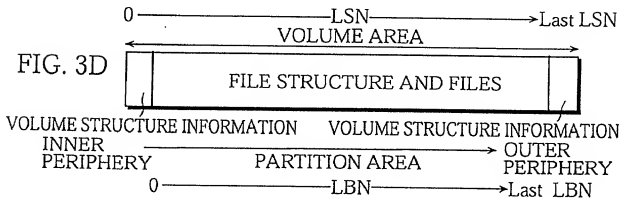
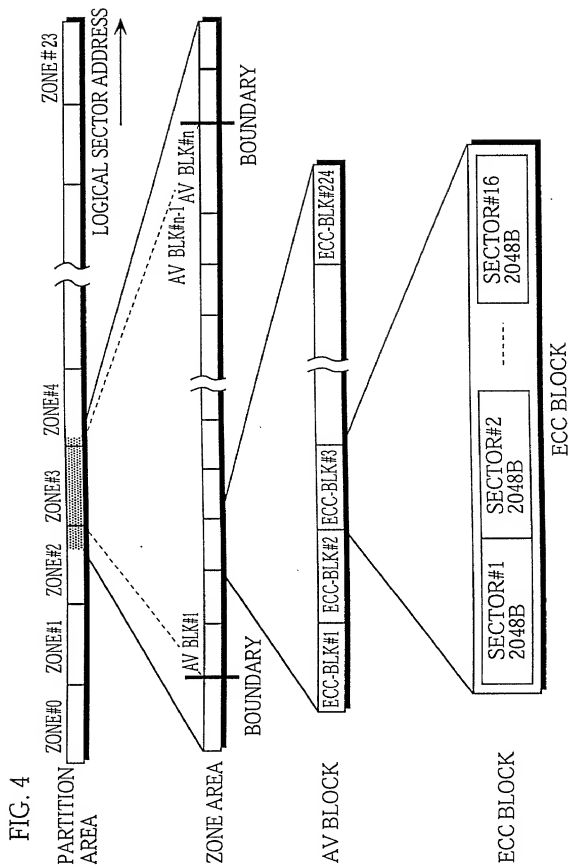


FIG. 3D





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FIG. 5

LAST BLOCK-LENGTH TABLE

ZONE NUMBER	NUMBER OF ECC-BS	LAST LBN
1	272	
2	304	
3	315	
4	293	
	⋮	
i	FL(i)	
	⋮	

FIG. 6

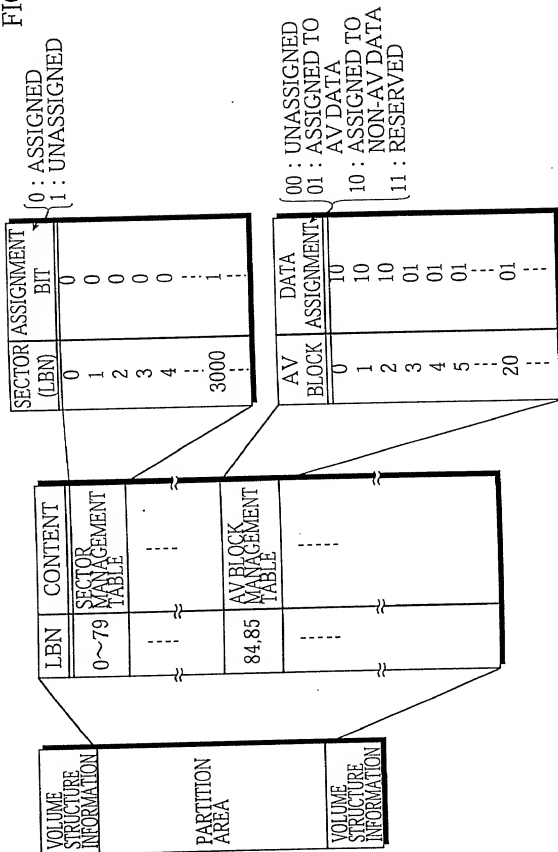


FIG. 8

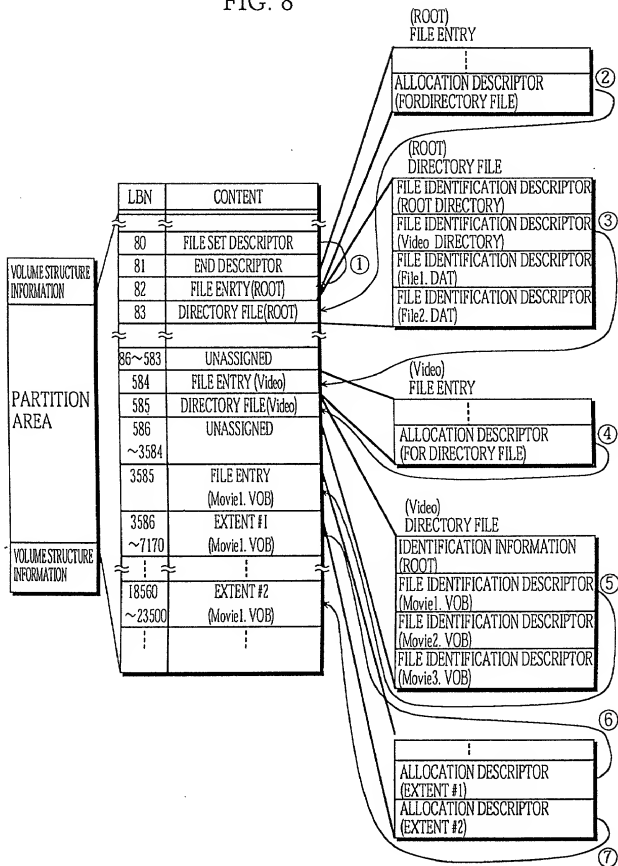


FIG. 9

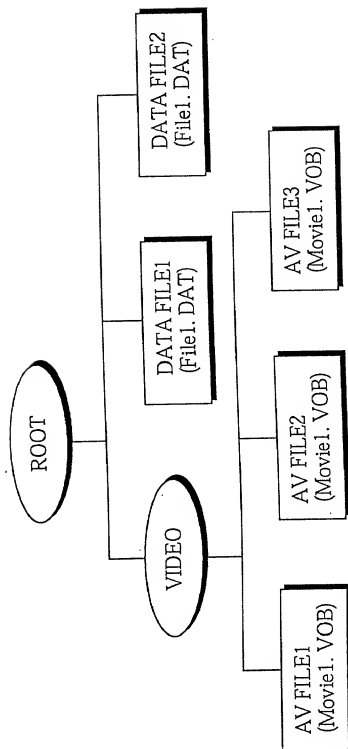


FIG. 10

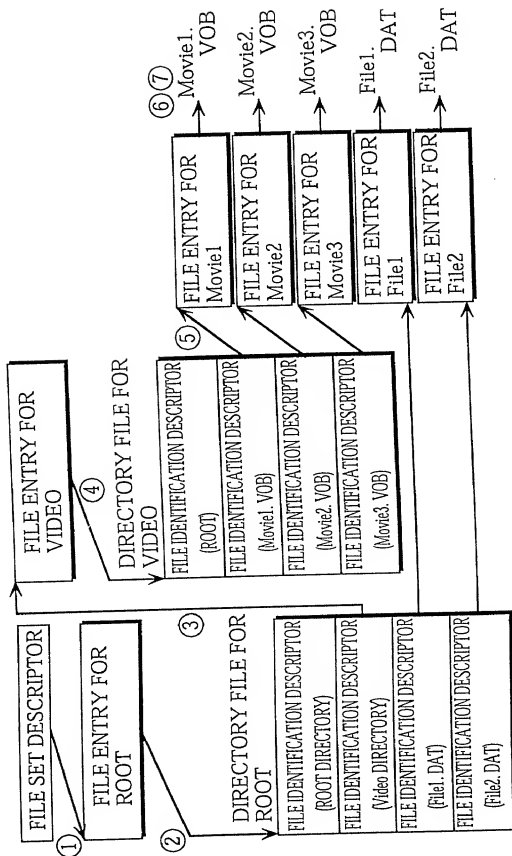


FIG. 11A
FILE ENTRY

BP	LENGTH	FIELD NAME	CONTENT
0	16	DESCRIPTOR TAG	tag
16	20	ICB TAG	icbttag
..
172	4	ALLOCATION DESCRIPTOR LENGTH	Unit32
176	L-EA	EXTENSION ATTRIBUTE	BYTE
a	L-AD	ALLOCATION DESCRIPTOR	BYTE

ALLOCATION DESCRIPTOR FIELD IN FILE ENTRY

RBP	LENGTH	CONTENT
0	8	ALLOCATION DESCRIPTOR : EXTENT A
16	8	ALLOCATION DESCRIPTOR : EXTENT B
24	8	ALLOCATION DESCRIPTOR : EXTENT C
32	8	ALLOCATION DESCRIPTOR : EXTENT D

ALLOCATION DESCRIPTOR LENGTH=L-AD, EXTENSION ATTRIBUTE LENGTH=L-EA, a=L-EA+176

FIG. 11C
INTERPRETATION OF UPPER TWO BITS OF EXTENT
LENGTH OF ALLOCATION DESCRIPTOR(NON-AV FILE)

VALUE	INTERPRETATION
0	ASSIGNED AND RECORDED EXTENT
1	ASSIGNED AND NOT-RECORDED EXTENT
2	RESERVED
3	EXTENT AS EXTENSION OF ALLOCATION DESCRIPTOR

FIG. 11B

ALLOCATION DESCRIPTOR

RBP	LENGTH	FIELD NAME	CONTENT
0	4	EXTENT LENGTH	Unit32
4	4	EXTENT POSITION	Unit32

FIG. 12A

FILE IDENTIFICATION DESCRIPTOR
FOR DIRECTORY

MANAGEMENT INFORMATION
IDENTIFICATION INFORMATION(DIRECTORY)
DIRECTORY NAME LENGTH
FILE ENTRY ADDRESS
INFORMATION FOR EXTENSION
DIRECTORY NAME

FIG. 12B

FILE IDENTIFICATION DESCRIPTOR
FOR FILE

MANAGEMENT INFORMATION
IDENTIFICATION INFORMATION(FILE)
DIRECTORY NAME LENGTH
FILE ENTRY ADDRESS
INFORMATION FOR EXTENSION
FILE NAME

FIG. 13

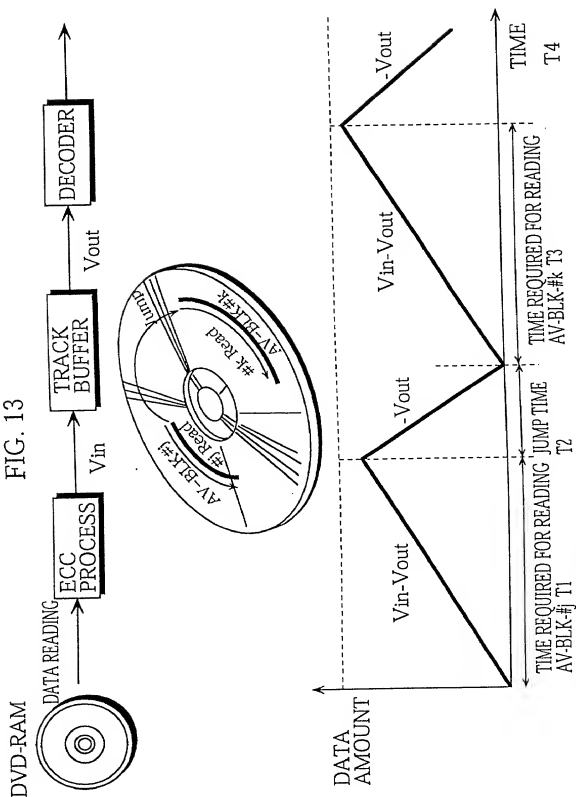


FIG. 14

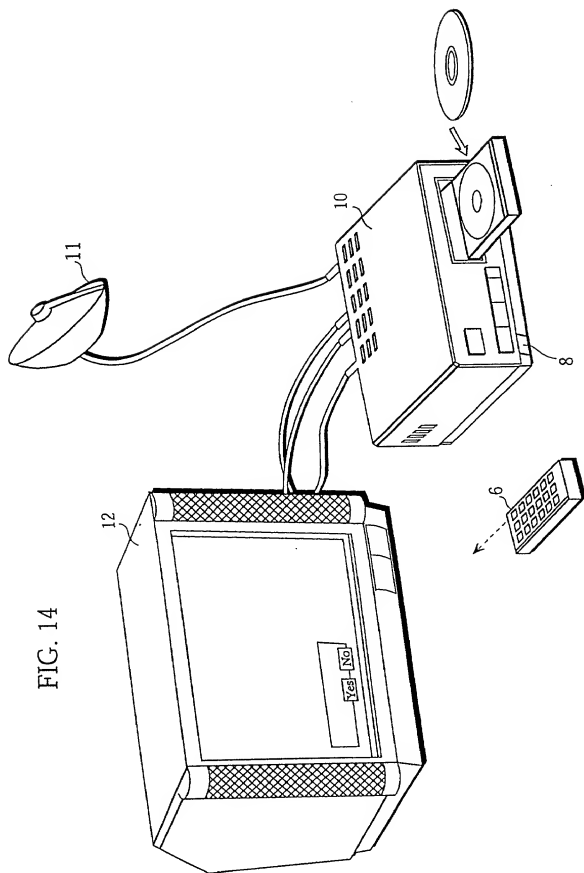
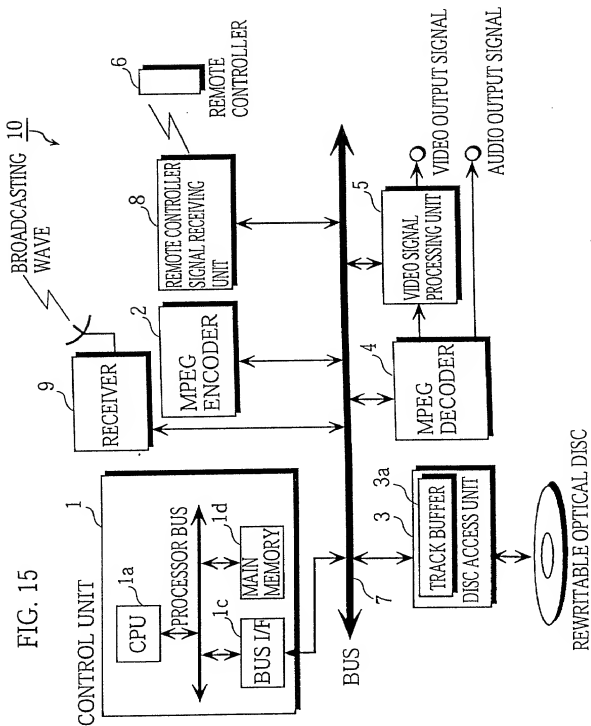
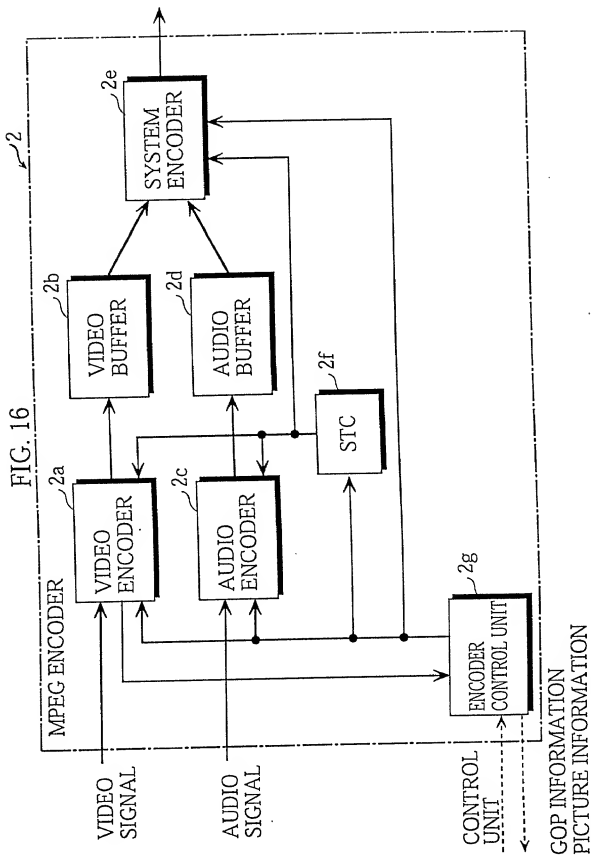
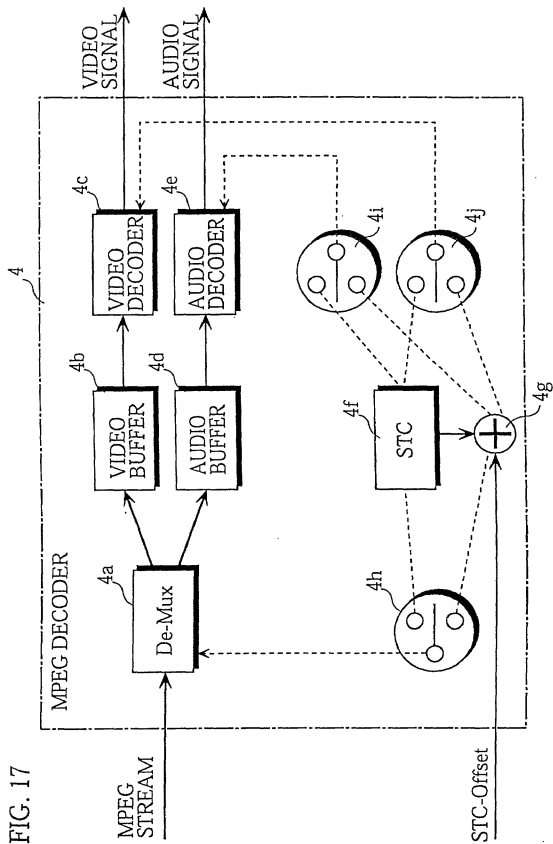


FIG. 15







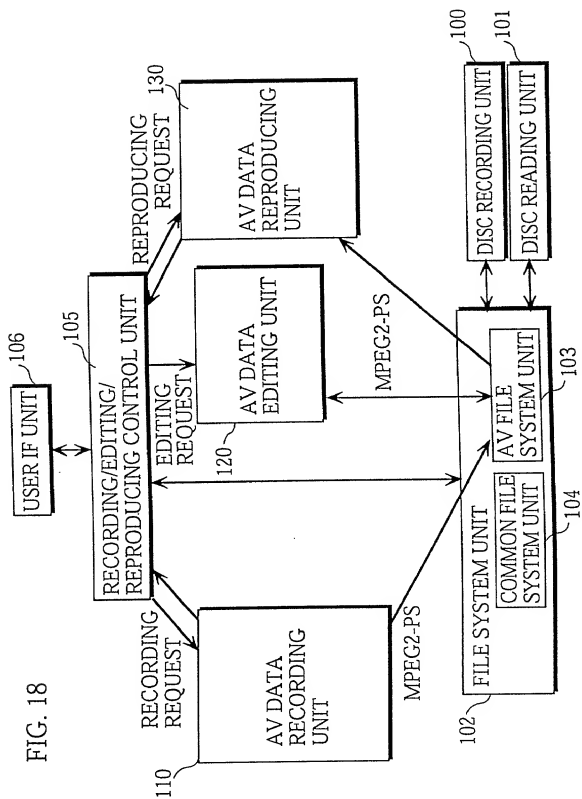


FIG. 19

CHANGE OF STATE IN SPACE BIT MAP

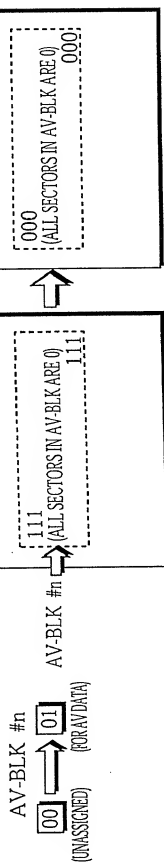


FIG. 20

CHANGE OF STATE IN SPACE BIT MAP

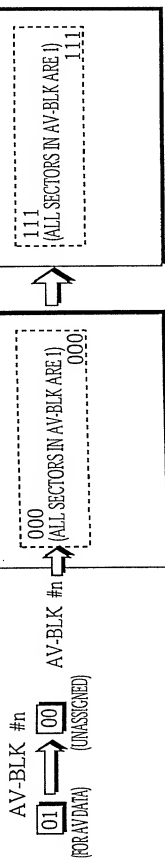


FIG. 21

COMMON FILE SYSTEM UNIT

CREATE	GENERATE A FILE
DELTE	DELETE A FILE
OPEN	OPEN A FILE
CLOSE	CLOSE A FILE
WRITE	WRITE A NON-AV FILE
READ	READ A FILE (COMMON TO AV AND NON-AV)
SEEK	MOVE INSIDE A DATA STREAM
RENAME	CHANGE A FILE NAME
MKDIR	GENERATE A DIRECTORY
RMDIR	REMOVE A DIRECTORY
STATFS	OBTAIN A FILE SYSTEM STATE
GET-ATTR	OBTAIN A FILE ATTRIBUTE
SET-ATTR	SET A FILE ATTRIBUTE

AV FILE SYSTEM UNIT

AV-WRITE	WRITE AN AV FILE
MERGE	MERGE OF AV FILE 1+BUFFER+AV FILE 2
SPLIT	SPLIT AN AV FILE
SHORTEN	DELETE AN EDGE OF AV FILE
REPLACE	REPLACE A PART OF AV FILE
SEARCH-DISCON	DETECT WHETHER A SPECIFIED SECTION INCLUDES A DISCONTINUOUS BOUNDARY (ZONE BOUNDARY)

FIG. 22

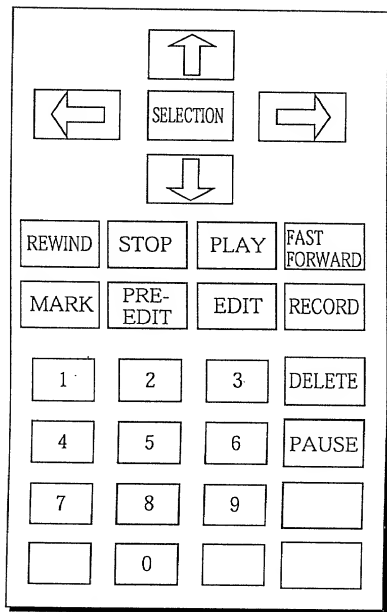


FIG. 23

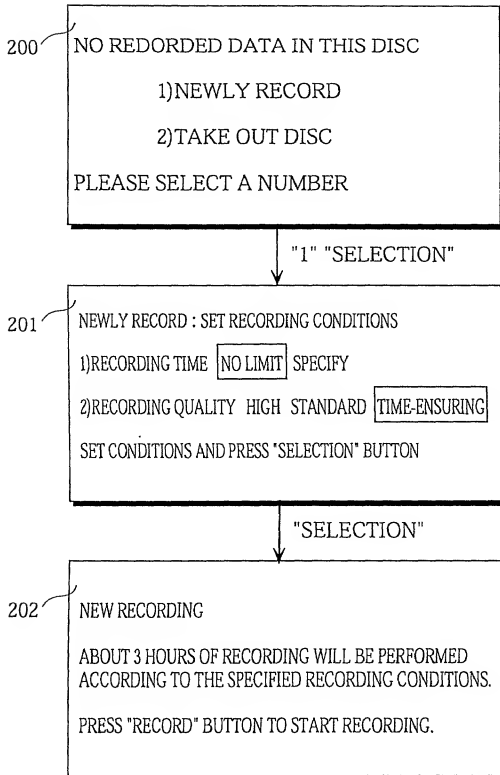


FIG. 24

RECORDING CONDITION	SETTING BY AV DATA INPUT UNIT
HIGH QUALITY	BIT RATE=6Mbps,RESOLUTION=720×480
STANDARD	BIT RATE=3Mbps,RESOLUTION=360×480
TIME-ENSURING	BIT RATE=1.5Mbps,RESOLUTION=360×240

FIG. 25A

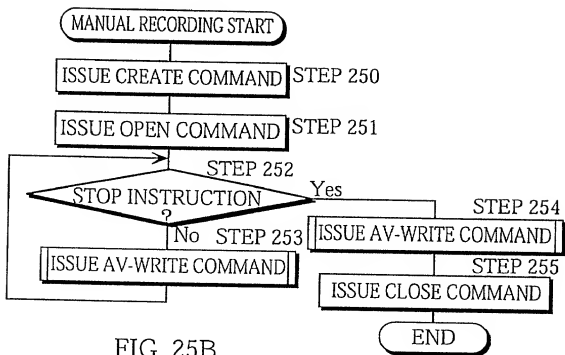


FIG. 25B

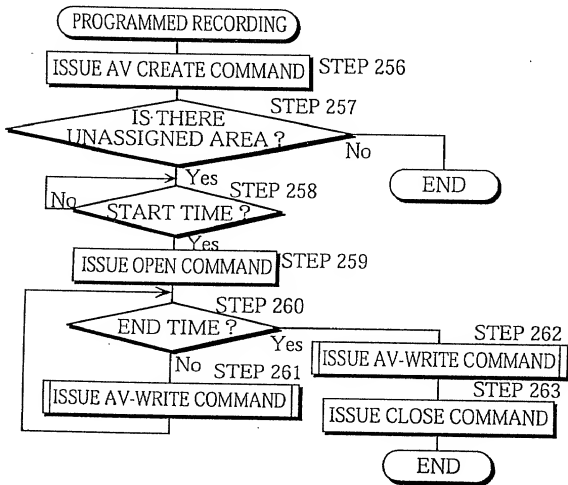
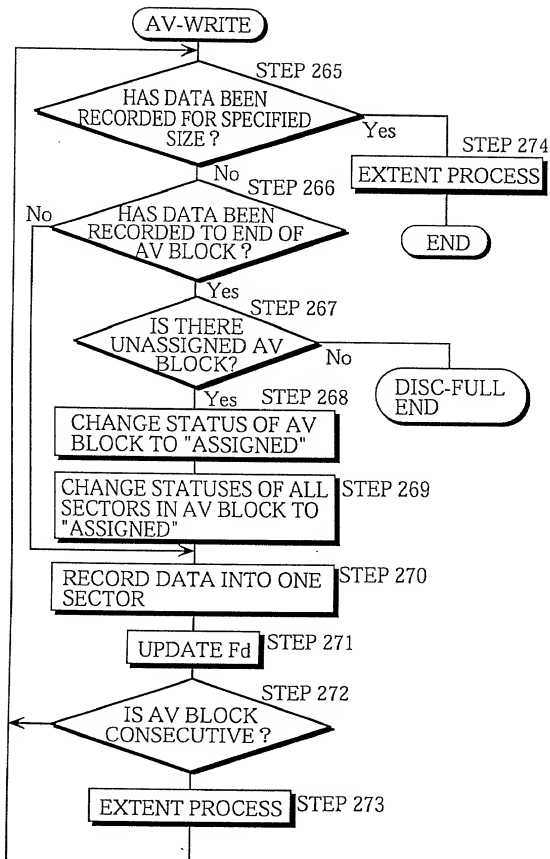
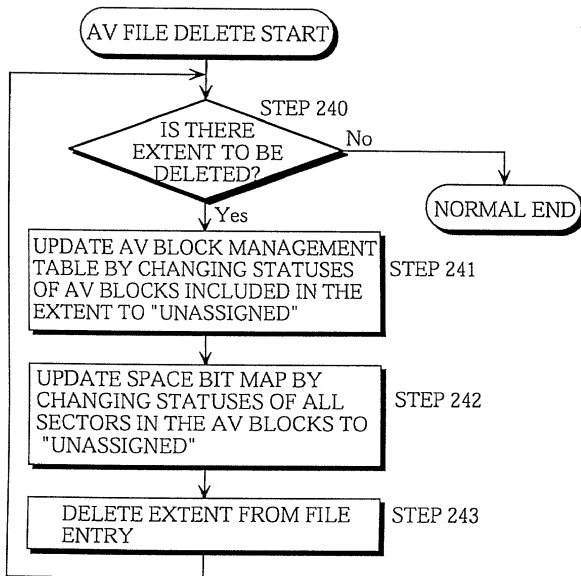


FIG. 26



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FIG. 27



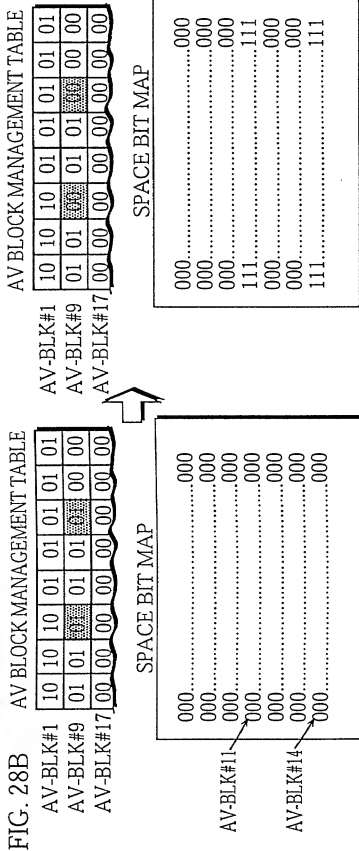
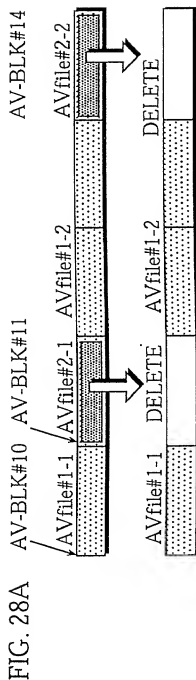


FIG. 29

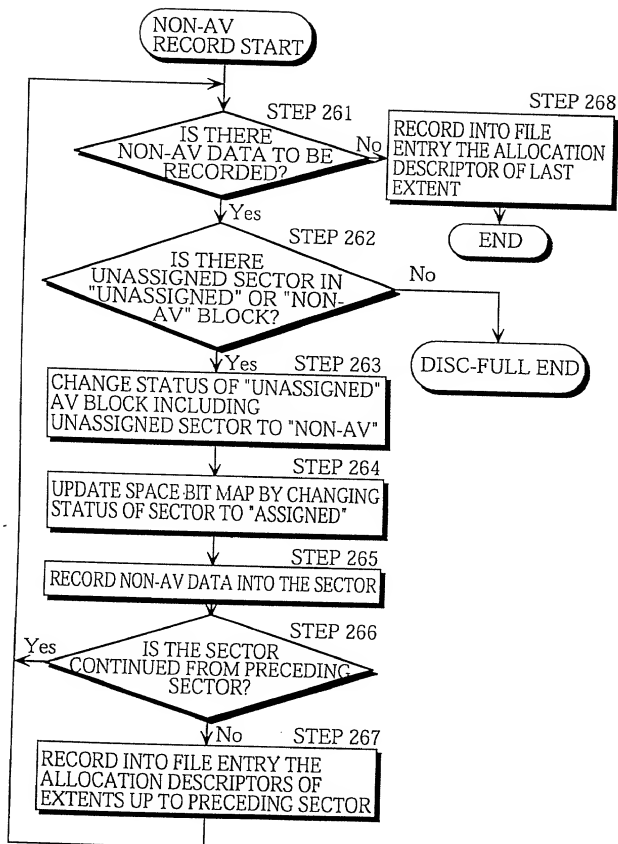


FIG. 30

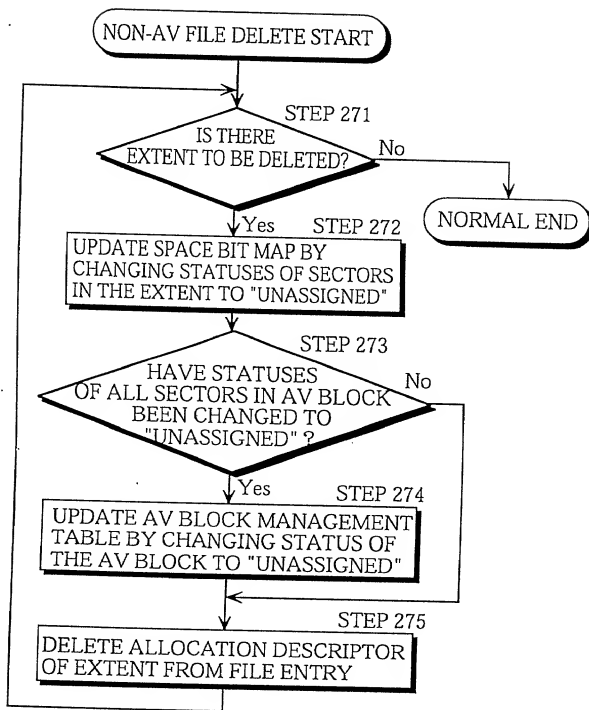


FIG. 31A

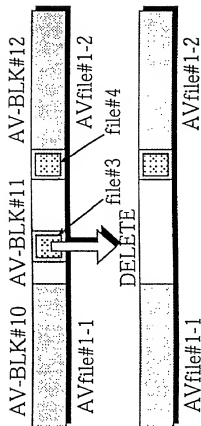


FIG. 31B

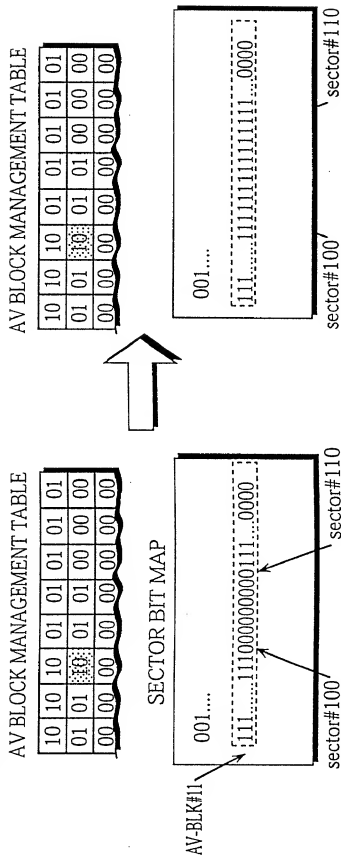
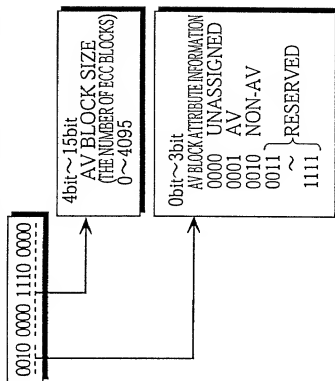


FIG. 32

AV BLOCK MANAGEMENT TABLE

20E0	20E0	20E0	10E0	10E0	10E0	10DF	10E0	10E0
10E0	10E0	10E0	10E0	10E0	10E0	10E0	10E0	10E0
10E0	10E0	10E0	1110	10E0	10E0	10E0	10E0	10E0
10E0	10E0	10E0	10DD	10E0	10DC	10E0	10E0	10E0
10E0	10E0	10E0	10E0	10E0	10E0	10E0	10E0	10E0
10E0	10E0	10E0	10E0	10E0	1130	10E0	10E0	10E0
10E0	10E0	10E0	10E0	10E0	10E0	10E0	10E0	10E0
10E0	10E0	10E0	10DF	10E0	10E0	10DF	10E0	10E0
10E0	10E0	10E0	10E0	10E0	10E0	10E0	10E0	10E0
10E0	10E0	10E0	10E0	10DE	1138	10E0	10E0	10E0
10E0	10E0	10DF	10E0	10E0	10E0	10DE	10E0	10E0
10E0	10E0	10E0	00E0	00E0	00E0	00E0	00E0	00E0
10E0	10E0	00E0	00E0	00E0	00E0	00E0	00E0	00E0
00E0	00E0	00E0	00E0	00E0	00E0	00E0	00E0	00E0
00E0	00E0	00E0	00E0	00E0	00E0	00E0	00E0	00E0
00E0	00E0	00E0	00E0	00E0	00E0	00E0	00E0	01BB

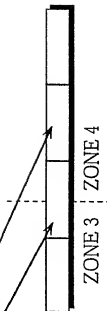
DATA STRUCTURE OF AV BLOCK MANAGEMENT TABLE



[illegible]

DATA STRUCTURE OF AV BLOCK MANAGEMENT TABLE

x000	UNASSIGNED
x001	AV
x010	NON-AV
x011	~
	RESERVED
x111	
0xxx	AV BLOCK NOT INCLUDING ZONE BOUNDARY
1xxx	AV BLOCK INCLUDING ZONE BOUNDARY



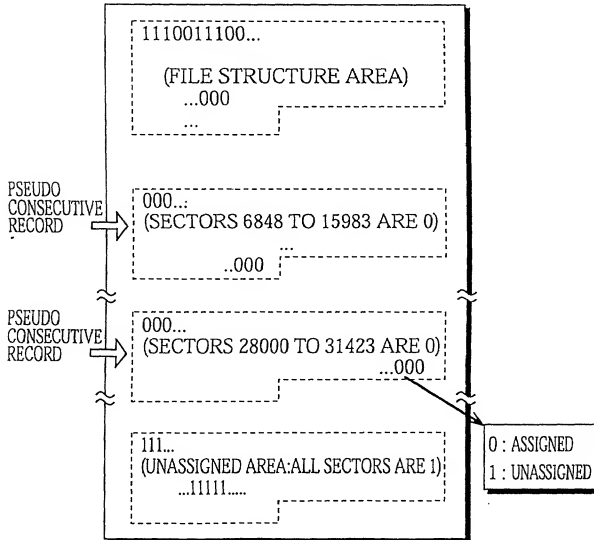
104220-01601660

FIG. 36A

PSEUDO CONSECUTIVE RECORD
ASSIGNMENT MANAGEMENT INFORMATION

6848	15983	0	e1
28000	31423	0	
			e2

FIG. 36B
SPACE BIT MAP



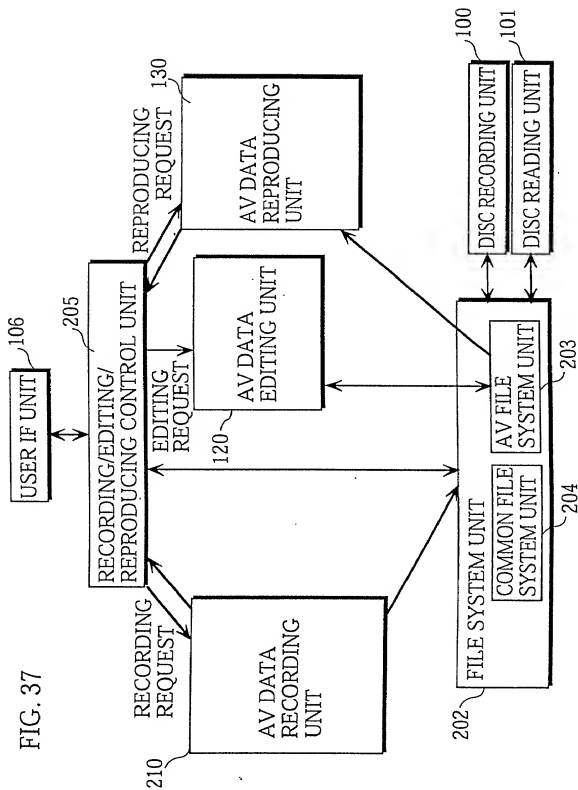


FIG. 38

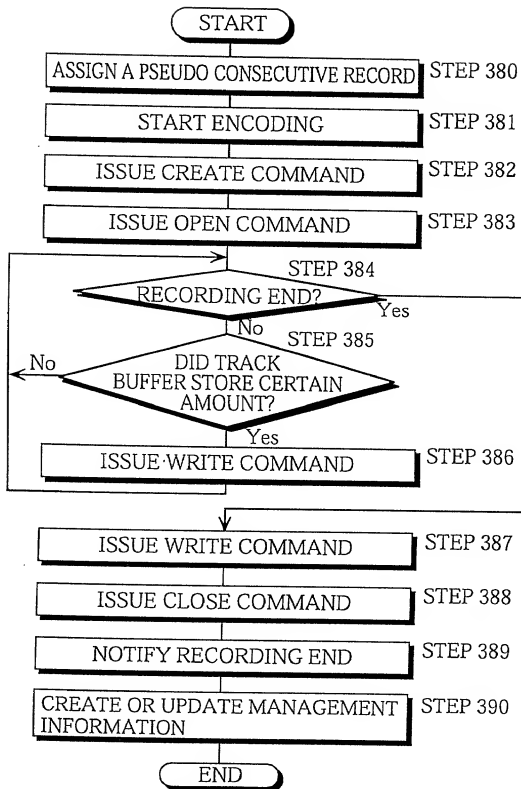


FIG. 39A

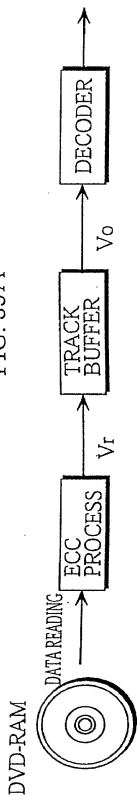


FIG. 39B

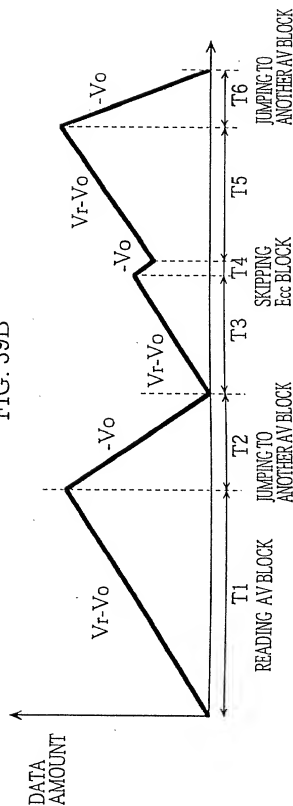


FIG. 40

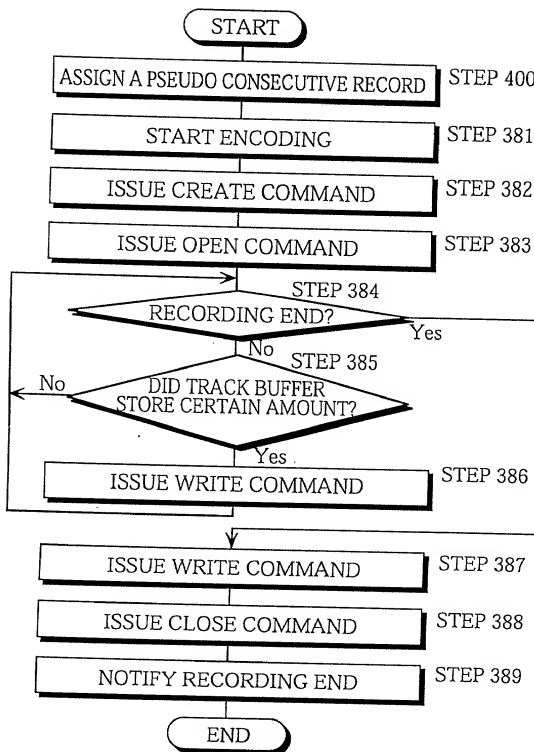


FIG. 41

START SECTOR	END SECTOR	ATTRIBUTE	
4900	6847	Free	c1
34848	39000	Free	c2
44000	48000	Free	c3

FIG. 42

